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20148 POGODINA, I. A. Sifilidy Glotki v. praktike otolaringologo. Sbornik trudov vracheb.-san sluzhby kazanks. Zh. d., vyp. 2, 1948, s. 108-12.

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949.

POGODINA, I.I.

TYUGINA, Ye.I., agronom; POGODINA, I.I., agronom.

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Ap '57. (MLRA 10:6)
(Planters (Agricultural machinery))

ALIYEV, M.A., red.; FRENKEL', G.L., red.; POGODINA, K.M., red.; ANOKHINA, M.G., tekhn.red.

[Bulletin of the second session of the Institute of Regional Medicine] Biulleten' II nauchnoi sessii Instituta kraevoi meditsiny. Frunze, 1958. 114 p. (MIRA 12:3)

1. Akademiya nauk Kirgizskoy SSR, Frunze.
(MEDICINE)

POZDNYAK, Nikita Zakharovich; POGODINA, K.M., dotsent, kand.tekhn.nauk, otv.red.; BANK, I.I., red.izd-va; SAGITULLINA, R.I., tekhn.red.

[Ceramic metal alloys; lectures on the "Powder Metallurgy" course for students of metallurgy, machinery manufacture, and automotive engineering departments] Metallokeramicheskie splavy; lektsiia po kursu "Poroshkovaia metallurgiia" dlia studentov metallurgicheskogo, mashinostroitel'nogo i avtomekhanicheskogo fakul'tetov. Moskva, Vses.zaochnyi politekhn.in-t, 1959. 22 p. (MIRA 13:8)

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ZHDANOV, V.; KHRISTOV, L.; MURAV'YEV, M.; RYZHOV, A.; VASHKOV, V.; FEDOSOVA, A.
POGODINA, L.; KLECHETOVA, A.; SUBBOTIN, A.; ZAKHAROVA, Ye.; GANDEL'S-MAN, B.; SAZONOVA, N.; ZEVAKINA, I.; KUDRINSKIY, I.; MISKAROV, D.; KHANENYA, F.

Professor A.N.Tregubov; obituary. Gig. i san. 21 no.10:63 O '56.
(MIRA 9:11)

(TREGUBOV, ALEKSANDR NIKOLAEVICH, 1888-1956)

BEREZIN, B.D.; POGODINA, L.G.

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1. Ivanovskiy khimiko-tekhnologicheskiy institut.
(Phloroglucinol) (Mercurimetry)

POGODINA, L.I., kand. biolog. nauk

Cockroaches and their control. Zashch. rast. ot vred. i bol.
8 no.4:42 Ap '63. (MIRA 16:10)

1. TSentral'nyy nauchno-issledovatel'skiy dezinfektsionnyy institut.
(Cockroaches—Extermination)

USSR / General and Specialized Zoology. Insects. Harmful Insects and Acarids. Chemical Methods in the Control of Harmful Insects and Acarids. P

Abs Jour : Ref Zhur - Biol., No 18, 1958, No. 82940

Author : Klechetova, A. M.; Pogodina, L. I.
Inst : Central Scientific Research Institute for Disinfectants
Title : The Dependence of the Insecticide Effectiveness of DDT Preparations on Their Physico-Chemical Properties

Orig Pub : Tr. Tsentr. n.-i. dezinfekts. in-ta, 1957, vyp. 10, 179-185

Abstract : No abstract given

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VASHKOV, V.I.; ISTOMINA, T.I.; POGODINA, L.N.; POLEZHAYEV, V.G.;
TIMONICH, O.P.; POZIN, Z.S., red.; PETROVA, N.K., tekhn. red.

[Handbook on disinfection, disinfestation and deratization]
Spravochnik po dezinfektsii, dezinsektsii i deratizatsii.
Moskva, Medgiz, 1962. 166 p. (MIRA15:10)
(INSECTS, INJURIOUS AND BENEFICIAL—CONTROL)
(DISINFECTION AND DISINFECTANTS) (RODENT CONTROL)

POGODINA, L.N.

Development of resistance to DDT in the body louse, Pediculus humanus corporis De Geer, under experimental conditions. J. hyg. epidem. 6 no.4:489-495 '62.

1. Central Research Institute of Disinfection, Moscow.
(LICE) (DDT)

POGODINA, L. N.

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Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

POGODINA, L. N.

VASHKOV, V. I., POGODINA, L. N., DOLINSKAYA, T. Yu. "The insecticidal properties of aerosols of hexachloro cyclohexane (666) and dichloro-diphenyl trichloro ethane (DDT) in relation to clothing lice, bedbugs, red cockroaches, clothes moths, and food pests", Trudy Tsentr. nauch. -issled. dezinfekts. in-ta, Issue 5, 1949, p. 171-81.

SO: U-4631, 16 Sept 53, (Letopis 'Zhurnal 'nykt Statey, No. 24, 1949).

POGODINA, L. N.

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SO: U-4631, 16 Sept 53, (Letopis 'Zhurnal 'nykt Statey, No. 24, 1949).

POGODINA, L. N.

Fighting Insects in the Home, Medgiz, Moscow, 1954
(Bor'ba s Nasekomymi v Zhilishchakh)

POGODINA, L. N.

N/5
633. 66
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Bor'ba s nasekomymi v zhilishchakh (Control Of Household Pests) Moskva, Medgiz, 1954.

52 p. illus.

POGODINA, L. N. and KURILLO, M. Ye.

"Chlorinated Hyrocarbons as Insecticides".
Tr. Tsentr. N-I. Dezinfekts. In-ta, No. 8, pp 134-138, 1954.

Synthesized a number of chlorinated hydrocarbons in order to study their insecticidal properties. Tested the following on lice: 1, 1, 1, 2, 3, 3-hexachloropropane (I), 1, 1, 2, 3, 3-pentachloropropylene (II), hexachlorocyclopentadiene (III), 4, 5, 6, 7, 8, 8-hexachloro-4, 7-endomethylenetetrahydroindane-1 (IV), 1.2, 3, 4, 5, 6, 7, 8, 8-octachloro-4, 7-endomethylenetetrahydroindane (V), and a fraction of (V) boiling at 200-210°/11 mm (VI). I, IV, V, and VI all have a high activity, while III is not very effective and II is completely inactive. A 10% dust of VI is effective against lice and roaches. I also has fumigant properties, although not as strong as hexachlorane. (RZhKhim, No 4, 1955)

SO: Sum No 884, 9 Apr 1956

POGODINA, L.N.

USSR / General and Specialized Zoology. Insects. Harmful Insects and Acarids. Chemical Methods in the Control of Harmful Insects and Acarids. P

Abs Jour : Ref Zhur - Biol., No 18, 1958, No. 82939

Author : Fuks, N. A.; Kazakova, T. P.; Trogubov, A. N.; ~~Klochstova, A. M.;~~ Pogodina, L. N.; Klochstova, A. M.

Inst : Central Scientific Research Institute for Disinfectants

Title : The Clarification of the Reasons for the Low Effectiveness of the Emulsions and the Higher Effectiveness of DDT Preparations

Orig Pub : Tr. Tsentr. n.-i. dezinfekts. in-ta, 1957, vyp. 10, 171-178

Abstract : No abstract given

Card 1/1

POGODINA, L.N.

POGODINA, L. N., KLECHETOVA, A. M. and VASHKOV, V. I.

"The Resistance of Insects to Insecticides."

Tenth Conference on Parsitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Central Scientific-Research Disinfection Institute (CSRDI), Moscow

POGODINA, N.

Calculation and mastery. Voen.znan. 31 no.9:21 S '55 (MIRA 9:2)
(Motorcycle racing)

FROLOV, S. (g.Penza); POGODINA, N.(g. Penza).

Following up a decision. Vown.znan. 31 no.10:6 O '55. (MLRA 9:3)
(Military education)

POGODINA, N.

TER-GRIGOR'YAN, A. (Moskva); POGODINA, N. (Moskva).

In the factory club. Voen.znan. 32 no.10:20 O '56. (MLRA 10:2)

(Workingmen's club)

EPA(s)-2/EWT(m)/EPF(c)/EPF(n)-2/EWG(m)/EPR/EWP(j) Pc-4/Pr-4/

L 55871-65 Ps-4/Pt-7/Pu-4 WW/RM

UR/0081/65/000/008/K004/K005

60

B

ACCESSION NR: AR5014988

SOURCE: Ref. zh. Khimiya. Abs. 8K28

AUTHOR: Nevzorova, A. A.; Nikitin, K. N.; Pogodina, N. A.

TITLE: Compatibility of certain structural materials with organic heat carriers

CITED SOURCE: Sb. Izzled. po primeneniyu organ. teplonositeley-zamedliteley v energ. reaktorakh. M., Atomizdat, 1964, 164-181

TOPIC TAGS: organic heat carrier, magnesium corrosion, aluminum corrosion, zirconium corrosion, alloy corrosion, steel corrosion, stainless steel, gas oil, biphenyl, terphenyl, hydrocarbon pryolysis

TRANSLATION: Corrosion tests were carried out on a series of structural materials (Mg and its alloys, Al and its alloys, Zr and its alloys, Ti, Nb, Ta, Fe, carbon steels 3, 20, 45, 0 and 8G, low-alloy steels Kh5M and 48TS-2, stainless steel 1Kh18N9T) in gas oil, monoisopropylbiphenyl, hydrogenated terphenyl, and biphenyl at 330-400C. It was found that the initial stage of corrosion due to organic heat carriers, regardless of their structure, is the oxidation of the initial metals by water and oxygen admixtures. It was shown that the rate of the

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stage of corrosion in organic heat carriers and the properties of the corroded films on the surface of the metals are identical with those obtained in moist air or in superheated steam at the same temperatures. It was found that, in addition to water and oxygen impurities, corrosive agents in the organic heat carriers being studied included the products of the pyrolysis of hydrocarbons. The corrosion behavior of the investigated metals under conditions of formation of hydrocarbon pyrolysis products made it possible to classify them as follows: materials whose corrosion resistance is slightly affected by the pyrolysis products (Al and its alloys AZhN, AKN, and stainless steel 1Kh18N9T); materials absorbing the hydrogen from pyrolysis (Zr and its alloys, Nb, Ta), and materials corroding in hydrocarbons with a weight loss (Mg and its alloys, Fe). It was shown that the best materials for use in reactors with organic heat carriers are the Al alloys AZhN and stainless steels. It was shown that the presence of Mg in Al alloys promotes their tendency toward intercrystalline corrosion. Bibl. with 8 refs. Authors' summary.

ENCL: 00

SUB CODE: MM, TD

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Cord 2/2

L 40012-65 EPA(s)-2/EWT(m)/EPF(c)/EPF(n)-2/EWA(d)/EWP(j)/EWP(t)/EWP(z)/EWP(b)
Pc-4/Pr-4/Pu-4 IJP(c) RM/MJW/JD/JG/WB/GS
S/0000/64/000/000/0164/0181
ACCESSION NR: AT5007907

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57
BTI

AUTHOR: Nevzorova, A. A.; Nikitin, K. N.; Pogodina, N. A.

TITLE: Compatibility of some structural materials with organic heat-transfer agents

SOURCE: Moscow. Institut atomnoy energii. Issledovaniya po primeneniyu organicheskikh teplonositeley-zamedliteley v energeticheskikh reaktorakh (Research on the use of organic heat-transfer agents and moderators in power reactors). Moscow, Atomizdat, 1964, 164-181

TOPIC TAGS: organic reactor coolant, thermal reactor, nuclear power plant, power reactor, heat transfer agent, reactor corrosion, gas oil, isopropylbiphenyl terphenyl, aluminum alloy, stainless steel, hydrocarbon pyrolysis

ABSTRACT: Corrosion tests were carried out for a number of structural materials (Mg and its alloys, Al and its alloys, Zr and its alloys, Ti, Nb, Ta, Fe, carbon steels 3, 20, 45, 0, 8G, low-alloy steels Kh5M and 48TS-2, and stainless steel 18 (1Kh18N9T) in gas oil, monoisopropylbiphenyl and hydrogenated terphenyl at 330 - 400C. It was established that the initial phase of corrosion in organic heat-transfer agents is oxidation of the metals by admixtures of water and oxygen. The

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ACCESSION NR: AT5007907 8

rate of the initial phase of corrosion and the properties of corrosion films on the surface of the metals are the same as those in moist air or superheated steam at the same temperatures. It was also found that, in addition to admixtures of water and oxygen, the products of the pyrolysis of hydrocarbons are also aggressive agents. The corrosion behavior of these metals enabled the authors to classify them as follows: materials on the corrosion resistance of which pyrolysis products have little effect (Al and its alloys and stainless steel 1Kh18N9T); materials which absorb pyrolytic hydrogen (Zr and its alloys, Nb, and Ta); materials which corrode in hydrocarbons with a loss of weight (Mg and its alloys and Fe). The best materials for reactors with organic heat-transfer agents were found to be aluminum alloys, AZhN alloy (Ni, Fe, Si and Al) and stainless steel, and addition of Mg to Al alloys was found to promote intercrystalline corrosion. Orig. art. has: 2 tables and 3 figures. 18

ASSOCIATION: None

SUBMITTED: 01Aug64 ENCL: 00 SUB CODE: MM

NO REF SOV: 000 OTHER: 008

Card 2/2

POGODINA, T.N.; NIKIFOROVA, I.L.

Effect of trace elements on increasing the yield and chemical composition of forage beans. Uch. zap. Petrozav. gos. un. 12 no.3:3-14 '64. (MIRA 19:1)

1. Institut biologii i kafedra rasteniyevodstva Petrozavodskogo gosudarstvennogo universiteta imeni O.V. Kuusinena.

BUKHMAN, V.A.; POGODINA, T.N.

Effect of soil temperature and moisture on the dynamics of different nitrogen forms. Trudy Kar. fil. AN SSSR no.28:95-107 '60. (MIRA 14:9)

(Soils--Nitrogen content) (Soil temperature) (Soil moisture)

ALYMOV, D.F.; DYSSA, F.M.; LEYVIKOV, M.Kh.; POGODINA, V.I.; NESTERENKO, P.G.;
SHIROKOV, A.Z.

Conformity of lower Carboniferous coal beds in the western Donets Basin. Izv. DGI 29:3-18 '57. (MIRA 11:5)
(Donets Basin--Coal geology)

POGODINA, V. V.: Cand Ma~~s~~ter Med Sci (diss) -- "Alimentary infection with tick encephalitis (Epidemiological and experimental principles)". Moscow, 1958. 16 pp (Acad Med Sci USSR, Inst of Virology im D. I. Ivanovskiy), 200 copies (KL, No 6, 1959, 145)

LEVKOVICH, Ye.N., POGODINA, V.V.

Infection through the alimentary tract with tick-borne encephalitis [with summary in English]. Vop.virus 3 no.3:145-150 My-Je '58 (MIRA 11:7)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(ENCEPHALITIS, etiology & pathogenesis
tick-borne infect. caused by ingestion of raw goat milk (Rus))
(MILK, microbiology
raw goat milk causing transm. of tick-borne encephalitis (Rus))

POGODINA, V.V.

Resistance of the tick-borne encephalitis virus to gastric juice. [with summary in English]. Vop.virus 3 no.5:271-275 S-O '58 (MIRA 11:10)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(ENCEPHALITIS, epidemic, viruses,
tick-borne, eff. of gastric juice (Rus))
(GASTRIC JUICE, effects,
on tick-borne encephalitis virus (Rus))

POGODINA, V.V.

Latent immunization of the population in foci of tick-borne encephalitis through raw goat's milk. Vop.virus. 4 no.4:429-434 Jl-Ag '59.
(MIRA 12:12)

1. Laboratoriya entsefalitov Instituta virusologii imeni D.I. Ivanovskogo, Moskva.
(ENCEPHALITIS, EPIDEMIC, transmission)
(MILK, microbiology)

LEVKOVICH, Ye.N.; POGODINA, V.V.

Problem of alimentary tick-borne encephalitis and measures for preventing it. Vest. AMN SSSR 14 no.10:7-13 '59. (MIRA 13:6)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR.
(ENCEPHALITIS) (MILK--BACTERIOLOGY)

POGODINA, V. V., Moscow:

"The course of alimentary infection and development of immunity in tick-borne encephalitis."

report submitted for the Symposium on the Biology of Viruses of Tick Borne Encephalitis Complex, Smolenice Czechoslovakia, 11-14 Oct 60.

The Ivanovskiy Institute of VIrology, Moscow, U.S.S.R.

POGODINA, V.V.

Experimental study on the pathogenesis of tick-borne encephalitis following alimentary infection. Report No.1: Dynamics of distribution of the virus in white mice infected by enteral route. Vop.virus. 5 no.3:272-279 My-Je '60. (MIRA 13:9)

1. Institut virusologii im. D.I. Ivanovskogo AMN SSSR, Moskva.
(ENCEPHALITIS)

POGODINA, V.V.

Experimental study on the pathogenesis of tick-borne encephalitis following alimentary infection. Report No.2: Study of pathways of the excretion of viruses from the body of the white mouse. Vop.virus. 5 no.3:279-285 My-Je '60. (MIRA 13:9)

1. Institut virusologii im. D.I. Ivanskogo AMN SSSR, Moskva.
(ENCEPHALITIS)

MAGAZANIK, S.S.; POGODINA, V.V. (Sverdlovsk)

On erythematous skin reactions in tick encephalitis. Klin.med.
(MIRA 13:11)
38 no.9:59-64 S '60.

1. Iz Sverdlovskogo instituta kurortologii i fizioterapii (dir. N.V. Orlov, nauchnyy rukovoditel' - prof. D.G. Shefer) i laboratorii entsefalitov (zav. - prof. Ye.N. Levkovich) Instituta virusologii AMN SSSR (dir. P.N. Kosyakov).
(ERYTHEMA) (ENCEPHALITIS)

POGODINA, V. V.

Epidemiology and prevention of alimentary infections of tick-borne encephalitis. J. hyg. epidem., Praha 5 no.1:75-79 '61.

1. Ivanovsky Institute of Virology, Academy of Medical Sciences, USSR, Moscow.

(ENCEPHALITIS EPIDEMIC transm) (MILK virol)

POGODINA, V.V.; KOLOBOLOVA, T.K.

Study of postinfection immunity in tick-borne encephalitis under conditions of alimentary infection. Vop. virus. 7 no. 1:14-19 Ja-F '61. (MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(ENCEPHALITIS)

LEVKOVICH, Ye.N.; POGODINA, V.V.

Vaccination of goats as a method of preventing alimentary infection with tick-borne encephalitis. Report No.1: Study of the conditions and effectiveness of experimental vaccination of goats. Vop. virus. 7 no.2:193-199 Mr-Ap '62. (MIRA 15:5)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(VACCINATION) (ENCEPHALITIS) (GOATS)

POGODINA, V.V.; MAGAZANIK, S.S.

Mechanism of the formation of natural immunity and clinical characteristics of latent forms of tick-borne encephalitis. Vop. virus. 7 no.2:243-244 Mr-Ap '62. (MIRA 15:5)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR i Sverdlovskiy nauchno-issledovatel'skiy institut kurortologii i fizioterapii.

(ENCEPHALITIS)

MAGAZANIK, S.S.; POGODINA, V.V.

Diagnosis of subclinical forms of tick-borne encephalitis. (MIRA 15:12)
Klin.med. no.9:40-46 '62.

1. Iz nervnogo otdeleniya (nauchnyy rukovoditel' - prof. D.G. Shefer) Sverdlovskogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii (dir. - kand.med.nauk N.V. Orlov) i laboratorii kleshchevykh entsefalitov (rukovoditel' - prof. K.N. Levkovich) Instituta poliomiyelita i virusnykh entsefalitov AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR M.P. Chumakov).
(ENCEPHALITIS) (TICKS AS CARRIERS OF DISEASE)

HAN SHI-GIE; POGODINA, V.V.

Use of fluorescent antibody technique in studies on Far-Eeast tick-borne encephalitis in mice, hamsters and pigs. Acta virol (Praha) [Engl] 8 no.1:22-29 Ja'64.

1. Institute of Poliomyelitis and Viral Encephalitides, U.S.S.R. Academy of Medical Sciences, Moscow.

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POGODINA, V.V.

Comparative study of viruses of the tick-borne encephalitis complex with respect to viraemia. Acta virol. (Praha) [Eng.] 8 no.2:113-122 Mr '64.

1. Institute of Poliomyelitis and Viral Encephalitides, U.S.S.R. Academy of Medical Sciences, Moscow.

POGODINA, V.V.; SAVINOV, A.P.

Variation in the pathogenicity of viruses of the tick-borne encephalitis complex for different animal species I. experimental infection of mice and hamsters. Acta virol. 8 no.5:424-434 S '64.

1. Institute of Poliomyelitis and Viral Encephalitides, U.S.S.R. Academy of Medical Sciences, Moscow.

POGODINA, V.V.; LEVKOVICH, E.N.; RODIN, I.M.; KARPOVICH, L.G.

Variation in the pathogenicity of viruses of the tick-borne encephalitis complex for different animal species. II. Evaluation of neurovirulence for lambs and piglets as a strain marker. Acta virol. (Praha) [Eng.] 8 no.6:521-531 N '64

1. Institute of Poliomyelitis and Viral Encephalitides, U.S.S.R. Academy of Medical Sciences, Moscow.

POGODINA, V.V.; KHAN' SHI-TSZE [Han Shih-chieh]

Studies on the correlation between pathogenic properties of tick-borne encephalitis viruses in animals and characteristics of their development in the body. Report No.1: Correlation between signs of visceral lesions and pathogenic indices during the peripheral administration of viral strains (use of the fluorescent antibody technique). Vop. virus. 9 no.6:682-690 N-D '64. (MIRA 18:11)

1. Institut poliomiyelita i virusnykh entsefalitov AMN SSSR, Moskva.

POLAND

MIKULASZEK, E. and A. [illegible]; Department of Medical Microbiology (Zaklad Mikrobiologii Lekarskiej), AM /Akademia Medyczna -- Medical School/, Warsaw and Institute of Biochemistry and Biophysics (Instytut Biochemii i Biofizyki), PAN /Polska Akademia Nauk -- Polish Academy of Sciences/, Warsaw.

"Immunochemical Studies on Salmonella Dahlem. Part III. Serological Properties of Isolated Cell Fractions"

Warsaw, Bulletin de l'Academie Polonaise des Sciences: Serie des Sciences Biologiques, Vol X, No 11, 1962, pp 525-530.

Abstract: /English article/ Salmonella dahlem cells, fractionated and analysed chemically were investigated serologically by a) Ouchterlony's diffusion-precipitation in agar gel, b) by the authors' own method of quantitative precipitation, c) precipitation inhibition with the aid of monosaccharides and oligosaccharides and d) complement fixation. Mostly Polish. 3 tables, 4 diagrams; 5 references.

1/1

POGODINA, Ye.A.

Method of raising houseflies. Zool.zhur.33 no. 6:1422-1423 N-D '54. (MIRA 8:2)
(Flies)

POGODINA, Ye.A.; SAF'YANOVA, V.M.

Testing the method of catching bloodsucking Diptera with the PRK-4 mercury-vapor lamp [with summary in English]. Zool. zhur. 36 no.6:894-899 Je '57. (MIRA 10:8)

1. Ekspeditsiya Instituta epidemiologii i mikrobiologii im. N.F. Gamaleya Akademii meditsinskikh nauk SSSR.
(Diptera) (Electric lighting, Mercury-vapor)

POGODINA, V.V.; KHAN' SHI-TSZE [Han Shih-chieh]

Study on the correlation between the pathogenicity of viruses of the tick-borne encephalitis group to animals and the characteristics of multiplication in the organism. Report No.2: Detection by the fluorescent antibody method of noninfectious viral antigen in the organs of animals infected with the Malaya Langat (TP-21) virus. Vop. virus. 10 no.1:30-36 Ja-F '65. (MIRA 18:5)

1. Institut poliomiyelita i virusnykh entsefalitov AMN SSSR, Moskva.

POGODINA-ALEKSEYEVA, K. M.

Cand. Technical Sci.

"Effect of heat treatment on the characterisitics of low - carbon steel," Stal', No. 8, 1948

POGODINA-ALEKSEYEVA, K. M.

"Mechanical Aging Tests on Carbon Construction Steels," page 59 of the book "Problems on Strength and Deformation of Metals and Alloys," released by the Moscow Engineer-Physics Inst., Mashgiz, 1954

TABCON D 342613, 24 Oct 55

POGODINA-ALEKSEYEVA, K.M., kandidat tekhnicheskikh nauk, dotsent;
KROTKOVA, Ye.Ye., inzhener.

Effect of preliminary artificial aging on the process of natural aging in low-carbon steel. Sbor.nauch.rab. MIFI no.8:50-58 '54.
(MLRA 9:3)

(Steel--Hardening)

POGODINA-ALEKSEYEVA, K.M., kandidat tekhnicheskikh nauk, dotsent.

Tests on the aging of structural carbon steels. Sbor.nauch.rab. MIFI no.8:59-68 '54. (MLRA 9:3)

(Steel, Structural--Testing)

POGODINA-ALEKSEYEVA, K.M.

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1

The method of testing aging strain in structural steel
K. M. [illegible]

[illegible] and upper [illegible] [illegible]

A simpler test, [illegible] the same precision, is to det the effect of aging at the temp. T at which the divergence between the [illegible] is located [illegible] points on new steel and 4° of aged steel at [illegible]

[illegible]

①

Of

POGODINA-ALEKSEYEVA, K.M.

Category : USSR/Solid State Physics - Phase Transformation in Solid Bodies E-5

Abs Jour : Ref Zhur - Fizika, No 2, 1957 No 3853

Author : Krotkova, Ye.Ye., Pogodina-Alekseyeva, K.M.

Title : On a Procedure for Testing Carbon Structural Steel for Tendency to Deformation Aging

Orig Pub : Termicheskaya obrabotka metallov (MVTU, 70). M., Mashgiz, 1956, 64-76

Abstract : The conditions under which the tendency of carbon structural steel to deformation aging manifests itself most clearly are explained. These conditions are brought about by the following combination of treatments: 1) cutting specimens from the head portion of the ingot along the rolling length in a direction perpendicular to the direction of the rolling; 2) prior compression of the specimens by 10%; 3) artificial aging at 250° for 1 hour and 4) testing for impact at the temperature of the upper threshold of cold-brittleness of the steel. The authors deem it advisable to use the ratio of impact viscosity before and after aging as a measure of brittleness produced by the aging.

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POL[illegible]NINA-ALEKSEYEVA, K.M

[illegible]

of after [illegible] specimen continued [illegible]
curve for the treated specimen. The results at [illegible]
just as that for the untreated specimen was about 10 units
[illegible] except the treated specimen [illegible] improved the results

[illegible]

[illegible] in the specimen
little temp. rise in the specimen

20

SOV/112-57-5-11527

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1957, Nr 5, p 286 (USSR)

AUTHOR: Pogodina-Alekseyeva, K. M.

TITLE: Ultrasonic Applications in Metal Studies
(Primeneniye ul'trazvuka v metallovedenii)

PERIODICAL: Sb. statey Vses. zaoch. politekhn. in-ta, 1956, Nr 13, pp 26-34

ABSTRACT: Some ultrasonic applications in science and engineering are briefly reported, such as applications in metallurgy and metal studies; degassing of melts, production of nonaging carbon steel, reducing the crystallization time of metals and alloys, production of fine-grained structures, etc.

M.G.S.

Card 1/1

POGODINA-ALEKSEYEVA, Kseniya Markovna; ISLANKINA, T.F., red.; GUBIN, M.I., tekhn.red.

[Ultrasonics in metallurgy and the machinery industry] Ul'trazvuk v metallurgii i mashinostroenii. Moskva, Izd-vo "Znanie," 1957. 29 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.4, no.27) (MIRA 10:12)

(Ultrasonic waves--Industrial applications)

PoGODINA-ALEKSEYEVA, K.M.

POGODINA-ALEKSEYEVA, K.M.

PHASE I BOOK EXPLOITATION 650

Moscow. Moskovskoye vyssheye tekhnicheskoye uchilishche. Kafedra "Termicheskaya obrabotka metallov"

Termicheskaya obrabotka i prochnost' metallov i splavov; sbornik statey (Heat Treatment and Strength of Metals and Alloys; Collection of Articles) Moscow, Mashgiz, 1958. 177 p. 5,500 copies printed.

Ed. (title page): Pogodin-Alekseyev, G.I., Doctor of Technical Sciences, Professor; Ed. (inside book): Yegorkina, L.I.; Tech. Ed.: Tikhanov, A.Ya.

PURPOSE: This book is intended for engineers and technicians in the machine-building industry, scientific workers at research institutes and industrial laboratories, and for students taking advanced courses at higher technical institutes.

COVERAGE: This collection of articles is devoted to problems of mechanization and automation of heat-treating processes and to investigations of the mechanical properties of metals and alloys as affected by their composition and by heat-treatment conditions. The experimental work was done by researchers at the Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana (Moscow High-

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er Technical Institute imeni Bauman), the Vsesoyuznyy zaochnyy politekhnicheskiy institut (All-Union Correspondence Polytechnic Institute), The L'vovskiy politekhnicheskiy institut (L'vov Polytechnic Institute), and the Stalingradskiy mekhanicheskiy institut (Stalingrad Mechanical Institute). For references and further coverage, see Table of Contents.

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Pogodina-Alekseyeva, K.M., Candidate of Technical Sciences, Docent; Krotkova, Ye.Ye., Candidate of Technical Sciences. Effect of Actual Grain Size on the Aging of MSt.3 Structural Steel 5

Author's conclusions: 1. In MSt.3 steel with a coarse grain, obtained by superheating (normalization at 1350°C. for 7 minutes) the upper threshold of cold shortness is 80° higher than in steel normalized at 920°. The energy absorbed in the fracturing of the superheated steel in the pasty state was as low as 19 kilogram-meters, while in the case of specimens normalized at 920° it exceeded 30 kg-m. The sharp difference in the properties of superheated and normalized steel is preserved even after subsequent treatment, such as cold hardening with a reduction of 10 percent, quenching at 700°, strain aging, and quench aging, although these treatments produce effects in varying degree.

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PHASE I BOOK EXPLOITATION SOV/1337

Arkhipov, Vladimir Vasil'yevich; Mikhail Aleksandrovich Kasenkov; Moisey Nissonovich Larin; Yakov Il'ich Ostrovskiy; Kseniya Markovna Pogodina-Alekseyeva; Nikolay Vasil'yevich Sokolov; Gennadiy Dmitriyevich Shevchenko; and Yuriy Vladimirovich Shukhov

Tekhnologiya metallov (The Technology of Metals) Moscow, Mashgiz, 1958. 767 p. 10,000 copies printed.

Eds. (Title page): Sokolov, N.V., Professor and Larin, M.N., Doctor of Technical Sciences, Professor; Eds. (Inside book): Glikin, N.M., Docent; and Brushteyn, B.Ye., Candidate of Technical Sciences, Docent; Tech. Eds.: Uvarova, A.F.; and Sokolova, T.F.; Managing Ed. for Literature on Metal Working and Machine- Tool Manufacture (Mashgiz): Beyzel'man, R D., Engineer.

PURPOSE: This book is intended for students at vtuzes specializing in fields other than machine building.

COVERAGE: This is a textbook presenting basic data on the structure and properties of metals and alloys, as well as methods of producing and processing them.

Card 1/23

Such matters as casting, forging, welding, and heat treatment are discussed. Modern equipment for all types of metal treatment is described. The seven broad divisions of the book are as follows: metallurgy of ferrous and nonferrous metals; essentials of physical metallurgy and heat treatment; casting; metal forming; welding and flame cutting; machining; nonmetallic materials. No personalities are mentioned. There are 33 references, all Soviet.

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POGODINA-ALEKSEYEVA, K.M.

PHASE I BOOK EXPLOITATION SOV/1598

Moscow. Dom nauchno-tekhnicheskoy propagandy im. F.E. Dzerzhinskogo

Sovremennyye splavy i ikh termicheskaya obrabotka (Contemporary Alloys and Their Heat Treatment) Moscow, Mashgiz, 1958. 329 p. 12,000 copies printed.

Additional Sponsoring Agency: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR.

Ed. (Title page): Yu. A. Geller, Doctor of Technical Sciences; Ed. (Inside book): V.V. Rzhevinskiy, Engineer; Tech. Ed.: B.I. Model'; Managing Ed. for Literature on Metal Working and Tool Making: R.D. Beyzel'man, Engineer.

PURPOSE: The book is intended for engineering and technical personnel of heat-treatment shops and test laboratories of machine-building plants.

COVERAGE: This collection of 20 articles, compiled by 33 authors, aims to acquaint the reader with modern practice in the heat treatment of steels. The authors are primarily concerned with the development of various types of structural, tool, and heat-resistant steels and with the use of their alloying elements. Materials-handling equipment is described at some length. The treatment of alloys, particularly those of titanium, also comes within the scope of the collection. The book is thoroughly diagrammed, and a good deal of the material is shown in graphical form. Among the problems dealt with are the minimization of deformations, the introduction of the automatic control of heat-treating equipment, together with fully mechanized tool manufacture, and the optimum proportions of different alloying elements. There are numerous tables and drawings. Bibliographic listings placed at the end of chapters are predominantly Soviet. The articles comprising this collection are reports delivered at a conference held in the Scientific and Technical Propaganda House imeni F.E. Dzerzhinskiy in Moscow.

Contemporary Alloys and Their Heat Treatment SOV/1598

Kov'yalov, A.S., L. Ya. Gol'dshteyn, and N.I. Senchenko. Nature of Temper Brittleness 5

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Tarasov, A.M. Study of Optimum Composition and of Some Peculiarities of the Heat Treatment of Boron-alloyed Case-hardened Structural Steel 80

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ARKHIPOV, Vladimir Vasil'yevich,; KASENKOV, Mikhail Aleksandrovich; LARIN, Moisey Nissonovich, doktor tekhn.nauk, prof.; OSTROVSKIY, Yakov Il'ich,; POGODINA-ALEKSEYEVA, Kseniya Markovna,; SOKOLOV, Nikolay Vasil'yevich,prof.; SHEVCHENKO, Gennadiy Dmitriyevich,; SHUKHOV, Yuriy Vladimirovich,; GLIKIN, N.M., dots.,red.; BRUSHTEYN, B.Ye., dots.,kand. tekhn. nauk, red.; UVAROVA, A.F., tekhn.red.; SOKOLOVA, T.F.,tekhn. red.

[Technology of metals]Tekhnologiia metallov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 767 p. (MIRA 11:12)
(Metals)

SOV/137-58-11-23378

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 219 (USSR)

AUTHORS: Pogodina-Alekseyeva, K. M., Krotkova, Ye. Ye.

TITLE: The Effect of Actual Grain Size on Processes of Aging in MST.3 Structural Steel (Vliyaniye velichiny deystvitel'nogo zerna na stareniye stroitel'noy stali MSt.3)

PERIODICAL: V sb.: Term. obrabotka i prochnost' metallov i splavov. Moscow, Mashgiz, 1958, pp 5-18

ABSTRACT: The hardness and the a_k (resilience) of killed open-hearth MSt.3 steel of standard composition were investigated after the steel had been subjected to various forms of treatment while in a state of preliminary overheating (normalization at 1350°C for a period of 7 min), as well as after normalization at 920° which was carried out in order to obtain different grain sizes. It was established that overheating reduces the quantity of work required to fracture a specimen in an impact test to a value of 19 kgm, the difference in properties of overheated and normal steel remaining practically unaffected by various forms of heat treatment. Although, unlike fine-grained steel, the

Card 1/2 coarse-grained steel is less susceptible to brittleness resulting from

SOV/137-58-11-23378

The Effect of Actual Grain Size on Processes of Aging (cont.)

tempering, work hardening, and thermal aging, its mechanical properties are affected by strain aging to a greater degree. However, the displacement of the upper threshold of cold shortness is identical in both cases. The effects of strain aging are connected with processes of cold hardening: As the ductility diminishes during cold working, the tendency toward brittleness during subsequent aging increases.

M. G.

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SOV/58-59-9-20253

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 9, p 111 (USSR)

AUTHOR: Pogodina-Alekseyeva, K.M.

TITLE: The Effect of Ultrasonic Waves on Changes in Solid -State Metals

PERIODICAL: In the symposium: Sovrem. splavy i ikh term. obrabotka. Moscow, Mashgiz, 1958, pp 48 - 61

ABSTRACT: The author studied the effect of ultrasonic waves (UW) on the heat aging of commercially pure Fe and on the annealing of steel of the "12KhNZA" grade. The Fe samples, quenched at 710°C in water, were soaked for various stretches of time at 100°C, after which they were subjected to the impact test. It is shown that UW accelerate the aging process. Thus, in the case of Fe samples unexposed to UW, the first hardening sets in after 15 minutes of soaking, while in the case of exposed samples, it sets in after 7 minutes. Exposing the samples of "12KhNZA" steel to UW during annealing leads to some reduction in hardness and increase in toughness. It is also noted that UW accelerate the heating of metal. This fact can be used in order to intensify heat-treatment processes. The bibliography contains 21 titles.

Ye.G. Ponyatovskiy

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POGODINA-ALEKSEYEVA, K.M.

AUTHORS: Pogodina-Alekseyeva, K. M., Pogodin-Alekseyev, G. I. 32-2-28/60

TITLE: The Brittleness of Steel Produced by Testing Processes and the Mothods for its Determination (Khrupkost' stali, vyzvannaya protsessom ispytaniya, i metodika yeye vyyavleniya).

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 2, pp. 198-201 (USSR).

ABSTRACT: A typical phenomenon of embrittlement caused by testing processes is represented by the blue shortness of steel, as a result of which the flexure strength passes through a minimum at 540° C, but increases again with further heating. The obtained values of flexure strength are represented graphically. It is near at hand to consider this phenomenon a result of the structural modifications of the steel caused by temperature changes. From the experimental results it is found, however, that this is not the case, because of the fact, that the experimental samples, which were kept at a corresponding temperature during 1 hour, showed no modification after cooling down to room temperature. Experiments proceeding from the assumption of a diffusion process, that it is say of an existing time effect, furnished the same result. For the purpose

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of clarifying the embrittlement phenomena experiments were also made investigating the cold shortness of steel. After all investigations having had no positive result the plastic deformation occuring in the testing process was investigated and it was found, that the blue shortness of steel represents a variety of its aging by deformation. The temperature intervals of the embrittlement of steel were investigated and the results are represented graphically. A number of proposals for further investigations for the purpose of clarifying the embrittlement of steel are given, e.g. for the determination of the problem, whether the cause is represented by the deformation process, or by the preceding structural changes. There are 5 figures.

AVAILABLE: Library of Congress

1. Steel-Temperature factors 2. Steel-Test methods 3. Steel-Embrittlement

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AUTHORS: Pogodina-Alekseyeva, K.M., Krotkova, Ye.Ye. 32-24-4-43/67

[redacted]

TITLE: The Application of the Microhardness Method for the Determination of Building-Steel Hardening in Cold Hardening and Deformation Aging (Primeneniye metoda mikrotverdosti dlya opredeleniya uprochneniya stroitel'noy stali pri naklepe i deformatsionnom starenii)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 4, pp. 470-473 (USSR)

ABSTRACT: D.D. Papshev (Ref 1) demonstrated the applicability of the microhardness method for the determination of hardening in plastic deformation. G.A. Asinovskaya and A.I. Kostenko (Ref 2) said that in investigations of the thermal aging of metals determination of microhardness must be carried out in the center as well as on the grain boundary. According to G.Ya. Vasil'yev (Ref 3) the difference between the microhardness of the center and the grain boundary vanishes in the case of an increase of the grain. Investigations of the influence exercised by static and dynamic pressure on the process of the following mechanical aging of building steel were carried out by applying the method of determining microhardness, on which occasion polished section samples of MSt 3 steel

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(0.14% C, 0.57% Mn, 0.27% Si, 0.070% Cr, 0.029% S, 0.027% P, 0.010% N_2) were used. Aging tests were carried out for 1 hour at 250° in a salpeter bath or at 20° for three months in air. Determinations of microhardness were carried out on the PMT-3 apparatus, in which case the influence exercised by cold hardening, which was produced by the treatment of the sample, was reduced by etching with a 5% nitric acid solution. The results obtained are given in tables and it may be seen from them that, in the case of low degrees of pressure, mainly the center and not the grain boundaries harden, especially in the case of impact deformation. After a static pressure treatment microhardness is higher than after dynamic treatment. In the case of artificial aging the grain boundaries hardened in the first place, whereas in the case of natural aging hardening took place more in the center of the ferrite. From the results obtained it is concluded that for the investigations described this method is sufficiently simple and accurate. There are 3 figures, 3 tables, and 4 references, [illegible] which are Soviet.

ASSOCIATION: Vsesoyuznyy zaochnyy politekhnicheskiy institut (All-Union Correspondence Polytechnic Institute)

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1. Steel--Hardening 2. Hardness--Measurement 3. Steel--Test methods

POGODINA-ALEKSEYEVA, K.M

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PHASE I BOOK EXPLOITATION SOV/5457

Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Sektsiya metallovedeniya i termicheskoy obrabotki metallov.

Metallovedeniye i termicheskaya obrabotka metallov; trudy Sektsii metallovedeniya i termicheskoy obrabotki metallov (Physical Metallurgy and Heat Treatment of Metals; Transactions of the Section of Physical Metallurgy and Heat Treatment of Metals) no. 2. Moscow, Mashgiz, 1960. 242 p. 6,000 copies printed.

Sponsoring Agency: Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Tsentral'noye pravleniye.

Editorial Board: G. I. Pogodin-Alekseyev, Yu. A. Geller, A. G. Rakhshtadt, and G. K. Shreyber; Ed. of Publishing House: I. I. Lesnichenko; Tech. Ed.: B. I. Model'; Managing Ed. for Literature on Metalworking and Machine-Tool Making: V. I. Mitin.

PURPOSE: This collection of articles is intended for metallurgists, mechanical engineers, and scientific research workers.

COVERAGE: The collection contains articles describing results of research conducted by members of NTO (Scientific Technical Society) of the machine-building industry in the field of physical metallurgy, and in the heat treatment of steel, cast iron, and nonferrous metals and alloys. No personalities are mentioned. Most of articles are accompanied by Soviet and non-Soviet references and contain conclusions drawn from investigations.

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AUTHOR: Pogodina-Alekseyeva, K. M. (Candidate of Technical Sciences)

TITLE: Effect of Preliminary Natural Aging Period on Artificial Aging of Commercial Iron

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov, 1960, Nr 2, pp 7-12 (USSR)

ABSTRACT: In order to determine the above effect, impact test specimens were prepared from commercial iron strip containing 0.04% C. Specimens were heated to 700° C in a lead bath (holding time 30 min) and quenched in cold water. Hardness after annealing was 52 R_B and after quenching 71.7 R_B. Then specimens were aged at 20° C in a thermostat (to avoid temperature changes) with 2; 12; 24; and 48 hr holding time. Immediately after natural aging, the hardness was measured and specimens were subjected to artificial

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aging in boiling water for 10; 20; 40 min, and 1; 2; and 4 hr after which hardness and impact strength were determined. Since capacity of the impact testing machine MK-30 (26 kgm) was insufficient to fracture any of the specimens, they were characterized not by impact strength but by impact plasticity expressed by the angle of bending. Figures 1 and 2 illustrate these tests.

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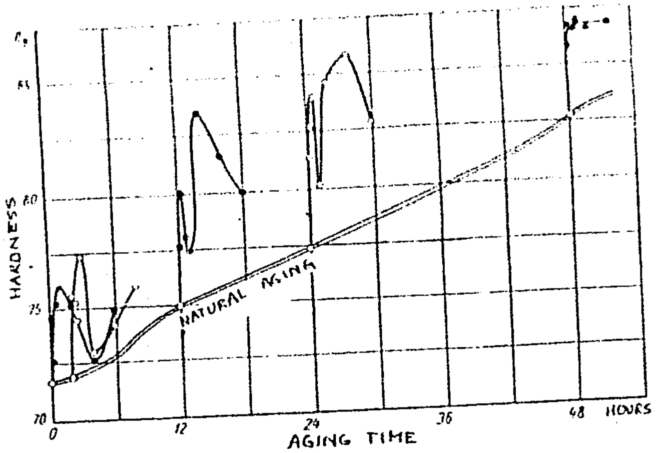

Fig. 1. Hardness changes in commercial iron as a result of artificial aging at 100° C vs. duration of natural aging after hardening.

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